

Play with TikZ

Just Us

November 6, 2022

1 Chap 6 Radians

Numbers aligned with the text: ① ② ③ end.
ch6-3

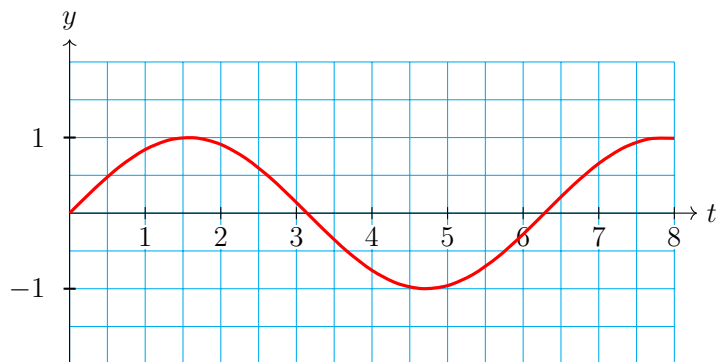
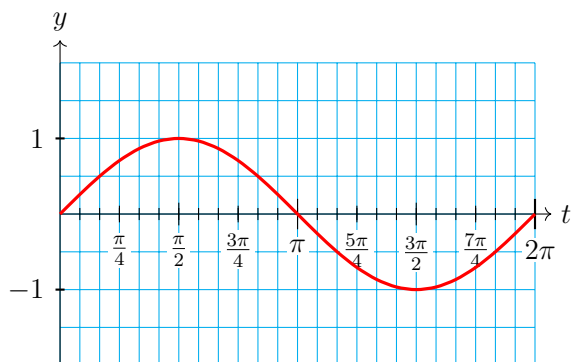
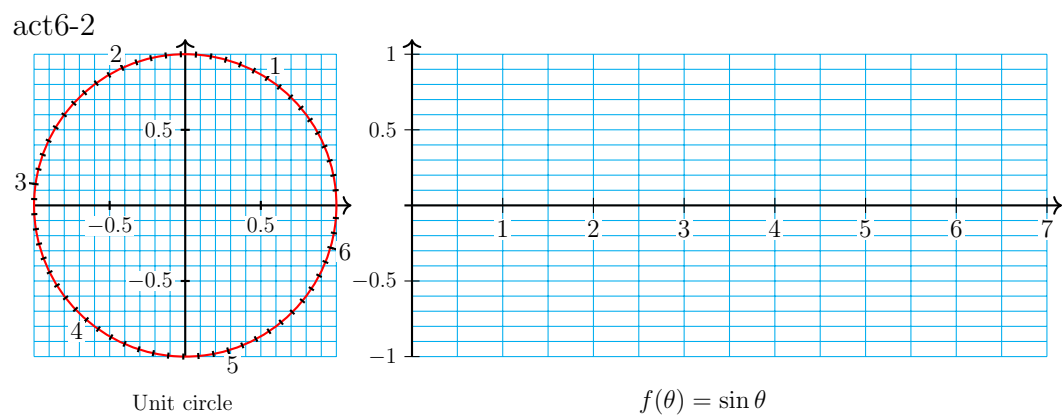
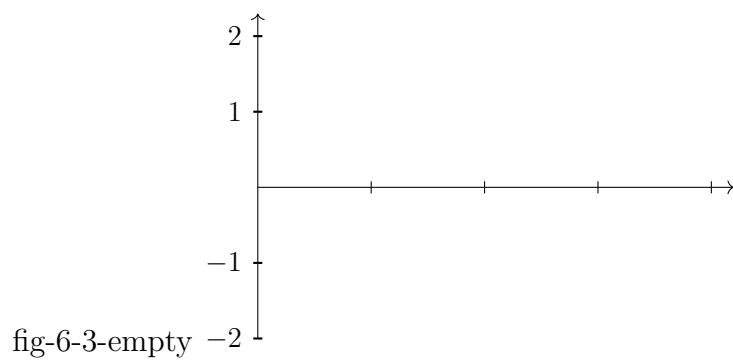
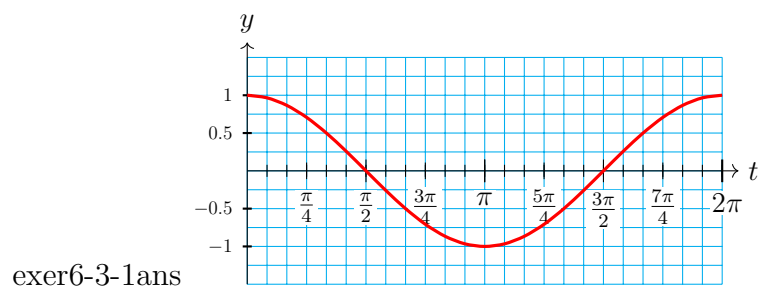
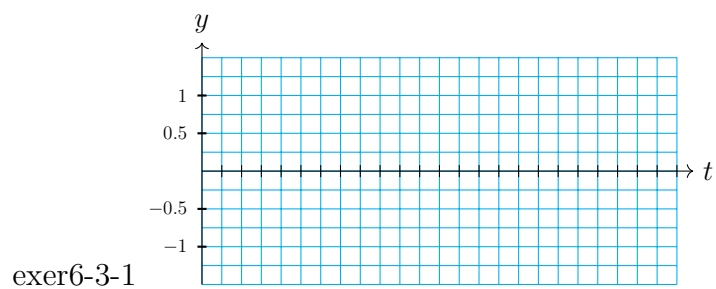


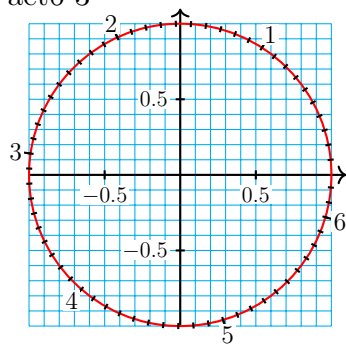
fig-6-3-sin



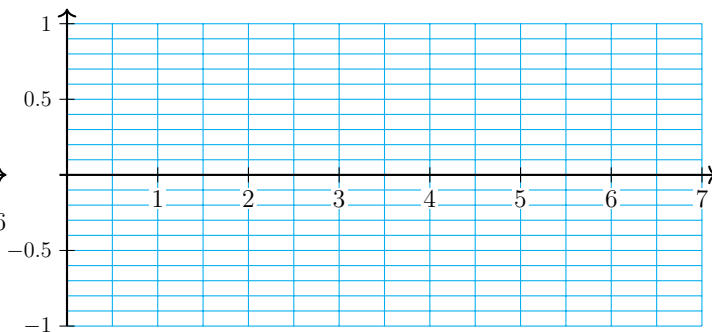
exam6-3-1



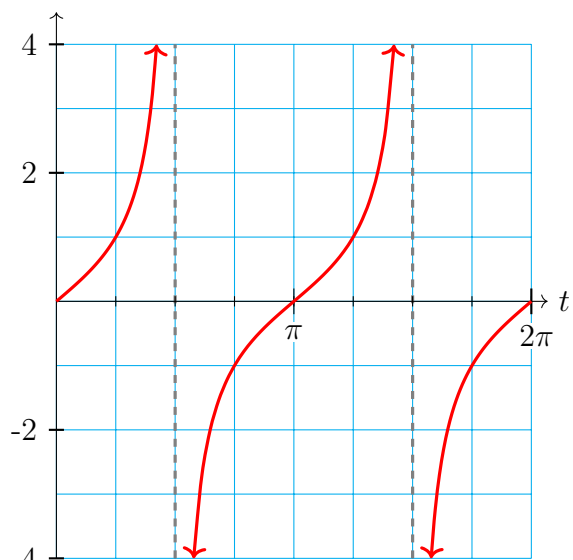
act6-3



Unit circle

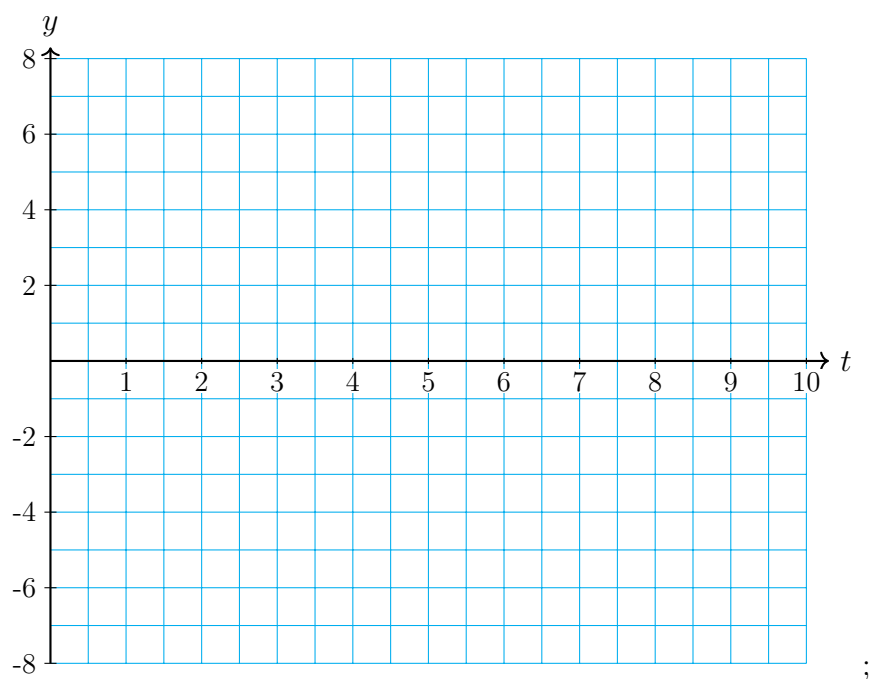


$g(\theta) = \cos \theta$

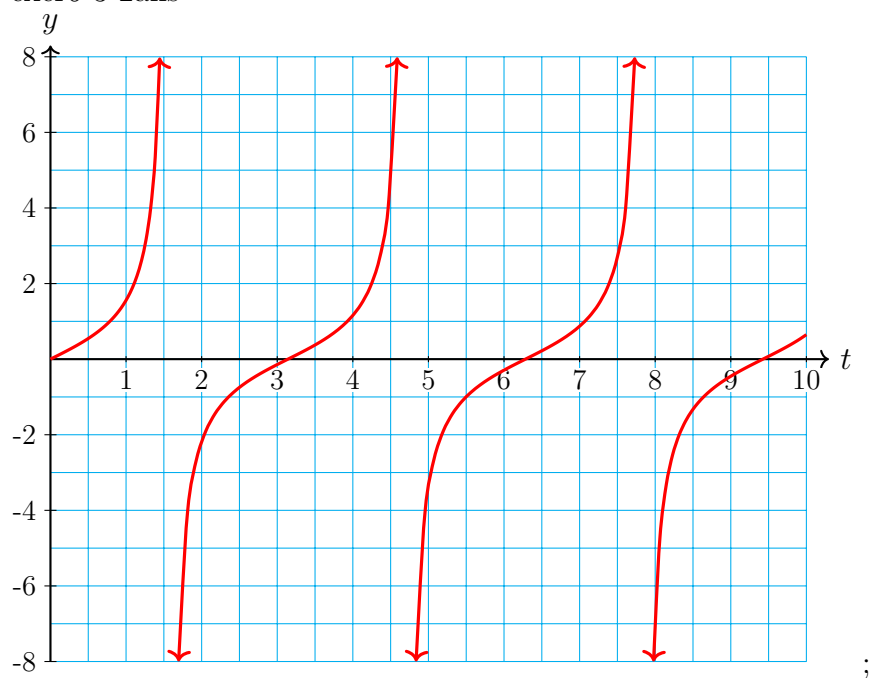


exam6-3-2 tangent graph

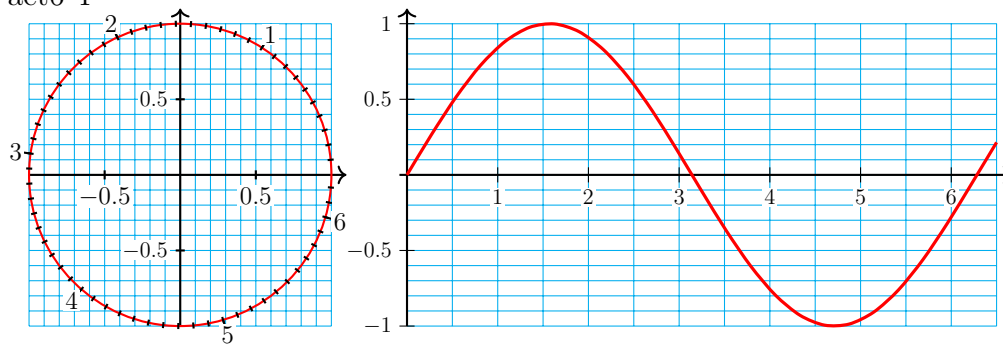
exer6-3-2



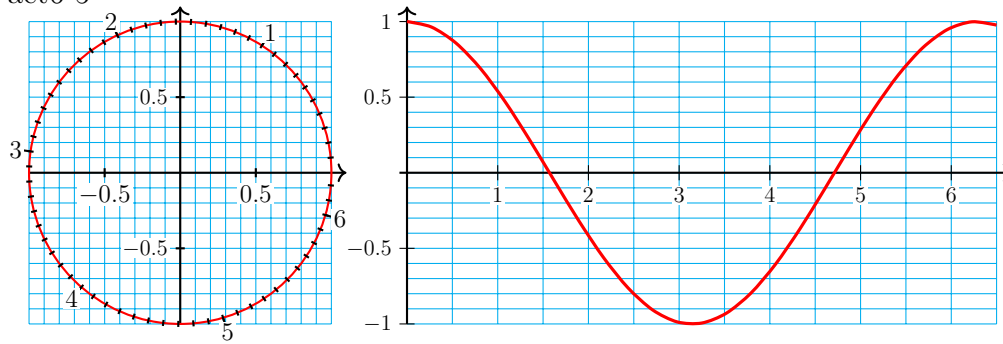
exer6-3-2ans



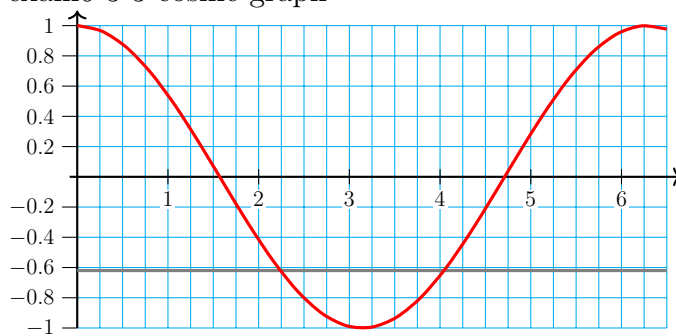
act6-4

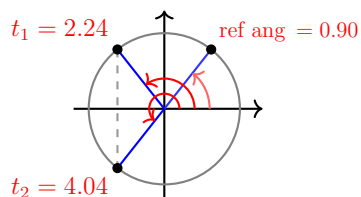


act6-5



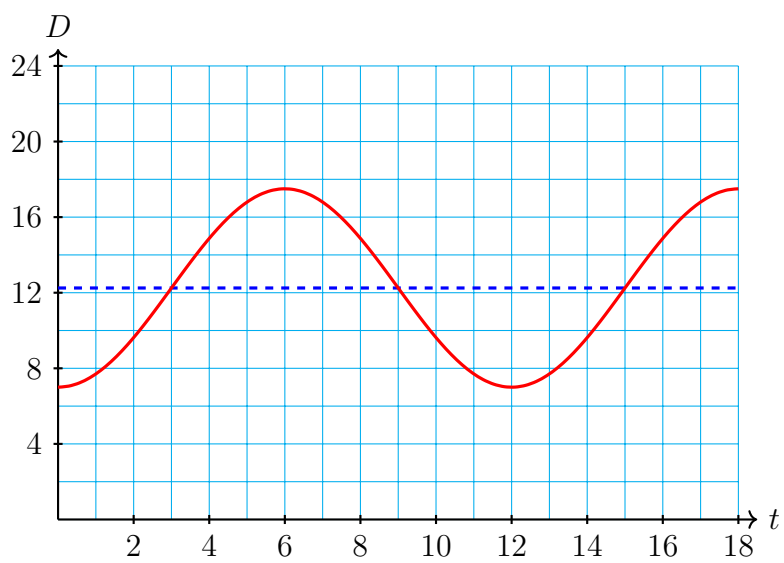
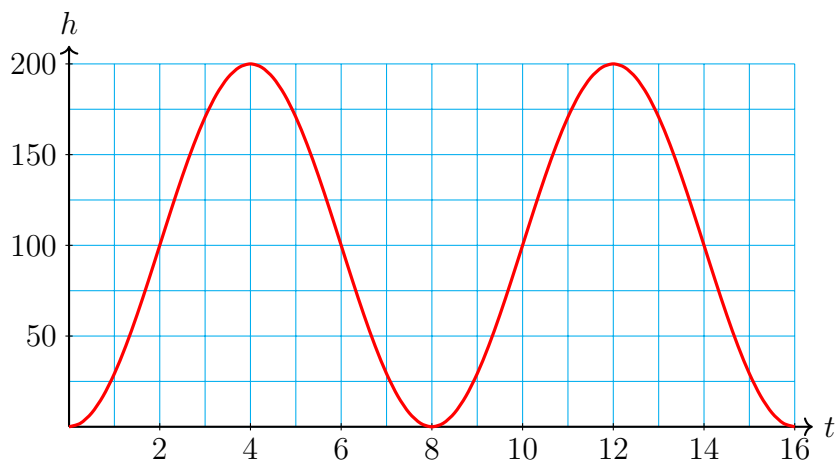
exam6-3-3 cosine graph



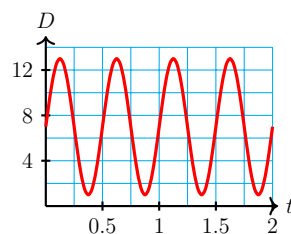


exam6-3-4 unit circle $t_2 = 4.04$

fig-6-3-height

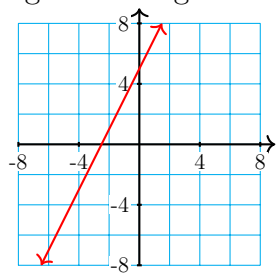


exam6-3-6

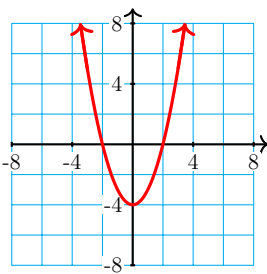


exer6-3-6ans

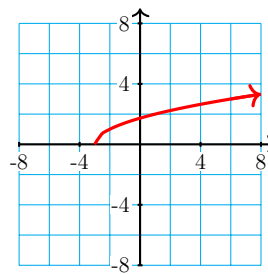
fig-6-3-domrge



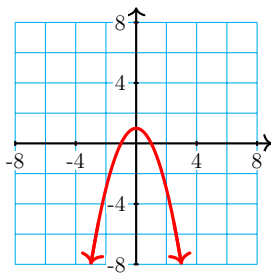
$f(x) = 2x + 5$
Domain: all real numbers
Range: all real numbers



$g(x) = x^2 - 4$
Domain: all real numbers
Range: $y \geq -4$

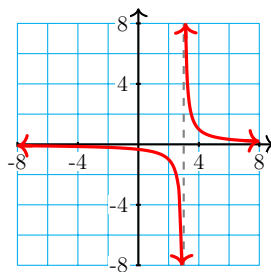


$h(x) = \sqrt{x + 3}$
Domain: $x \geq -3$
Range: $y \geq 0$



exam6-3-7a parabola

$$f(x) = 1 - x^2$$



exam6-3-7b hyperbola

$$g(x) = \frac{1}{x - 3}$$

fig-6-3-sumsin sine graph

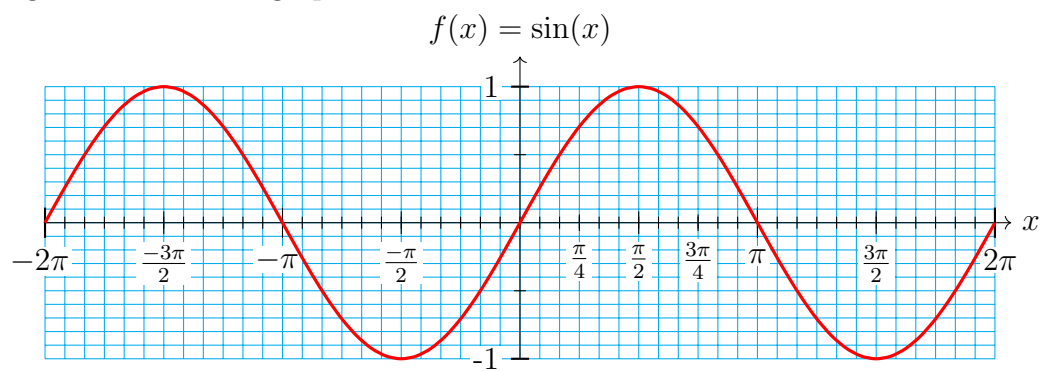


fig-6-3-sumcos cosine graph

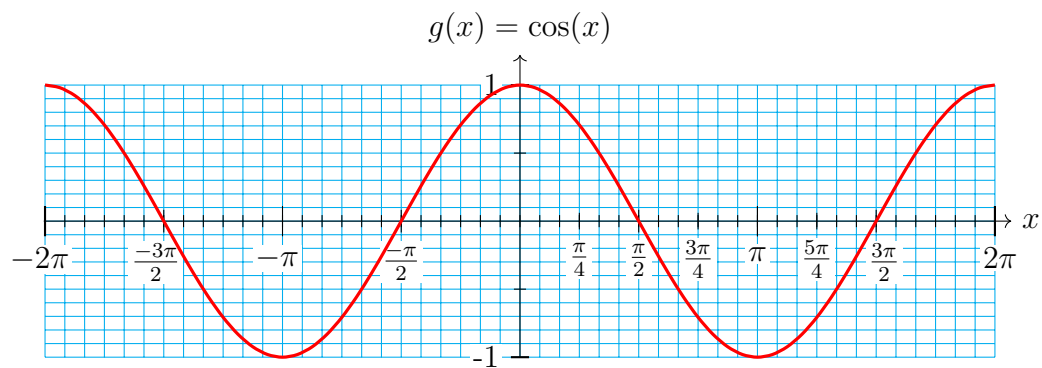
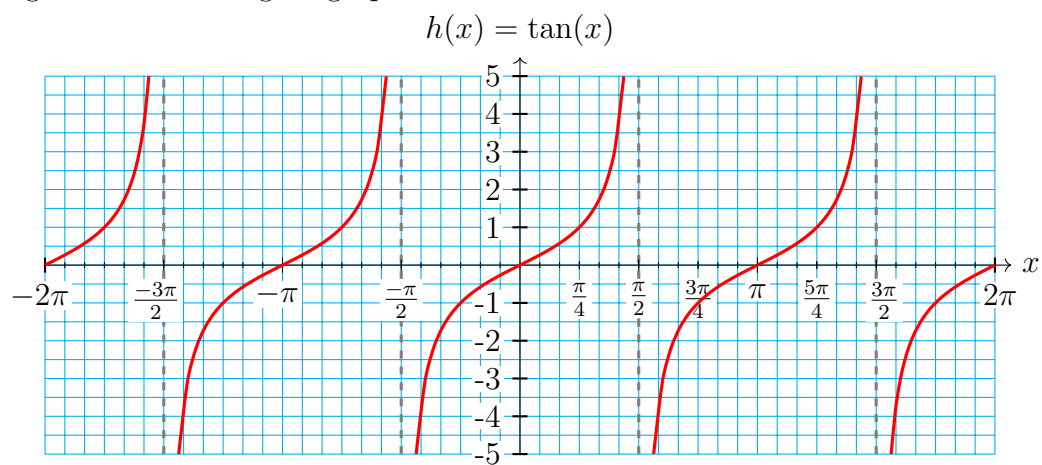
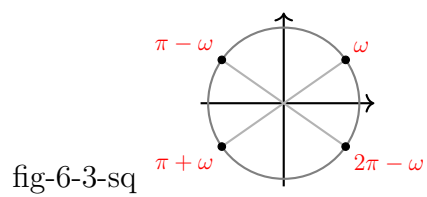
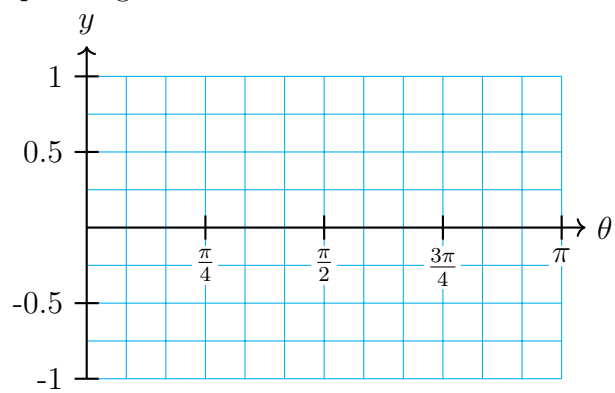


fig-6-3-sumtan tangent graph

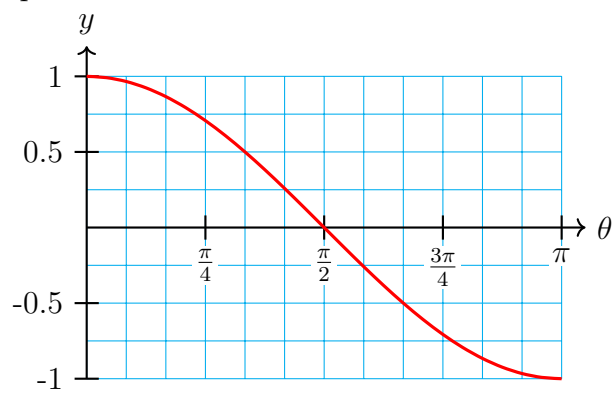




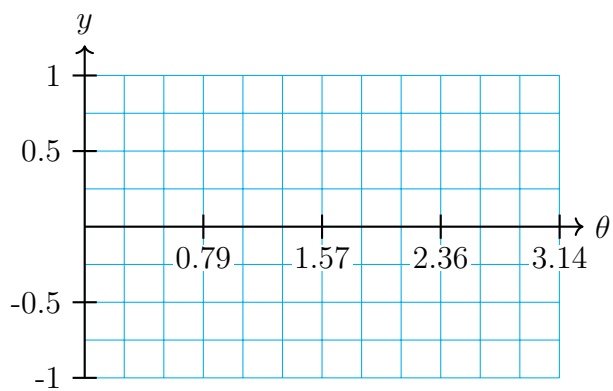
hp6-3-1 grid



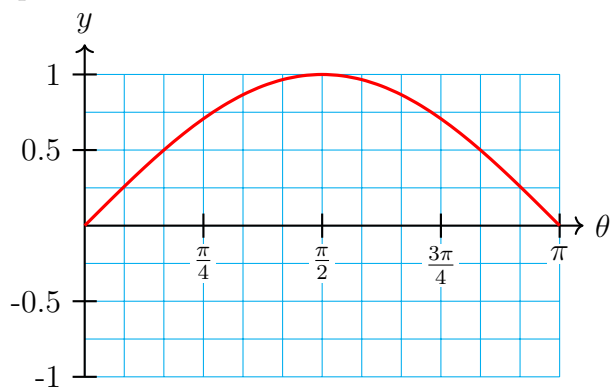
hp6-3-1ans cosine



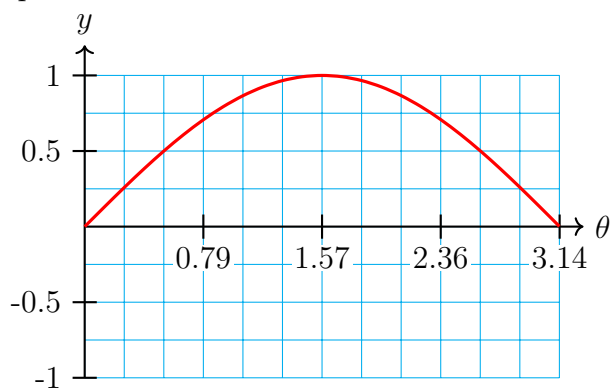
hp6-3-3 grid

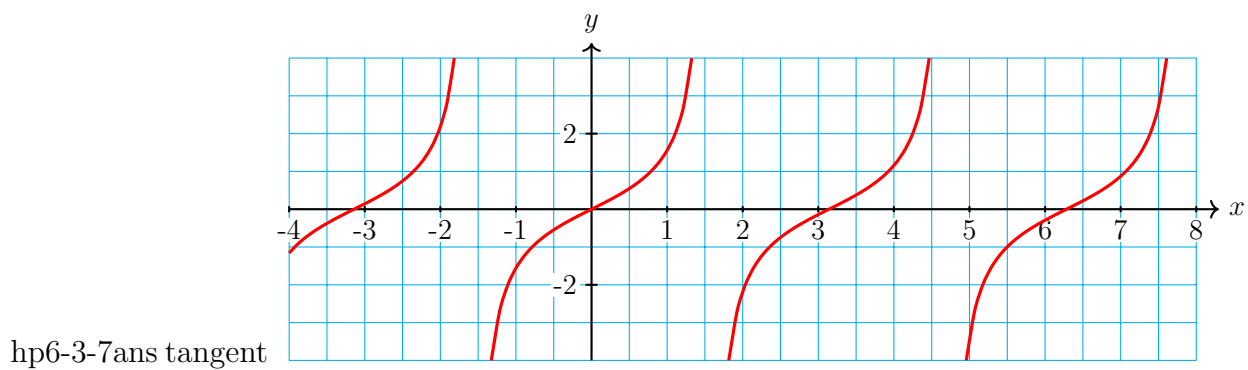
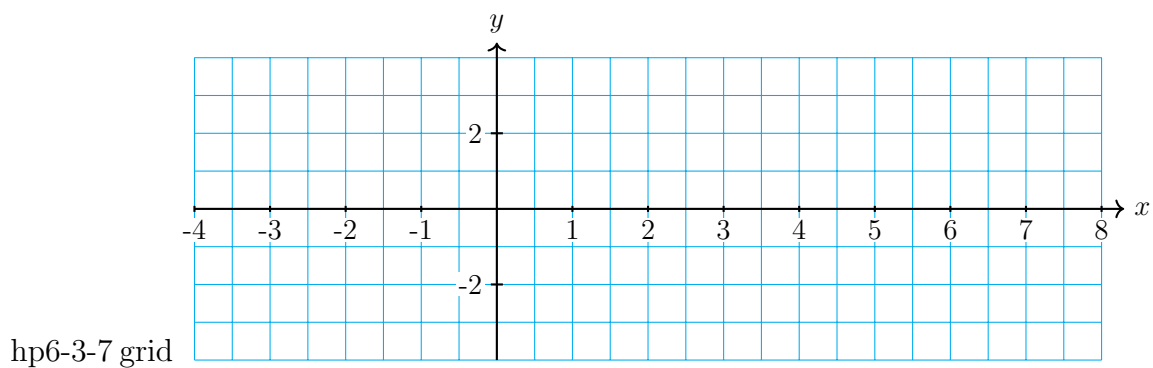
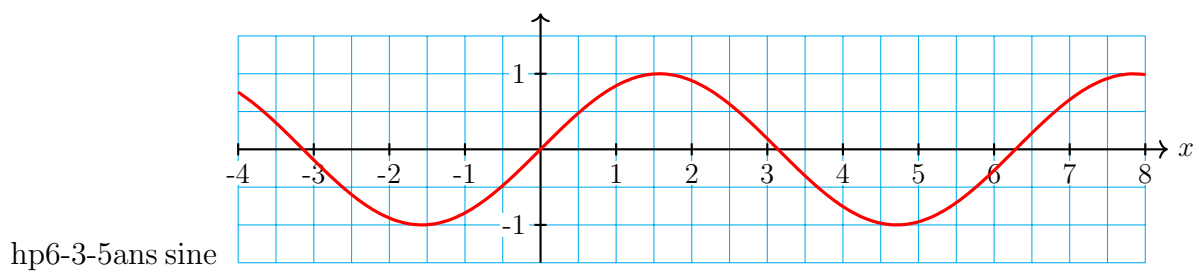
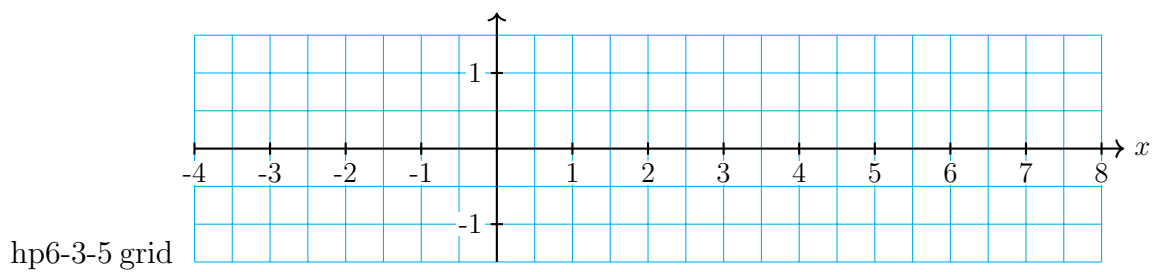


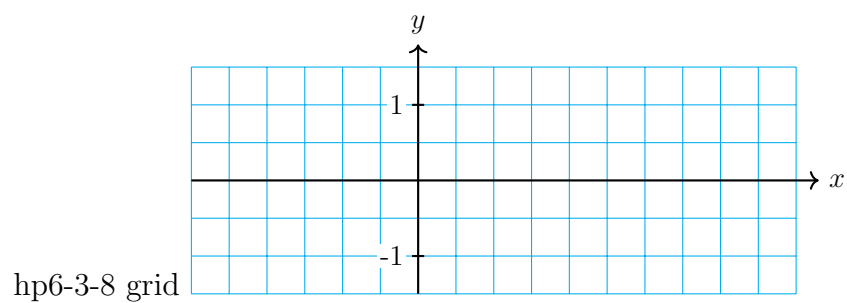
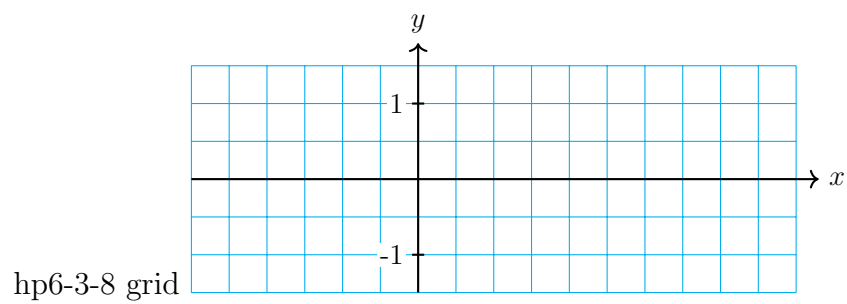
hp6-3-3ansa sine



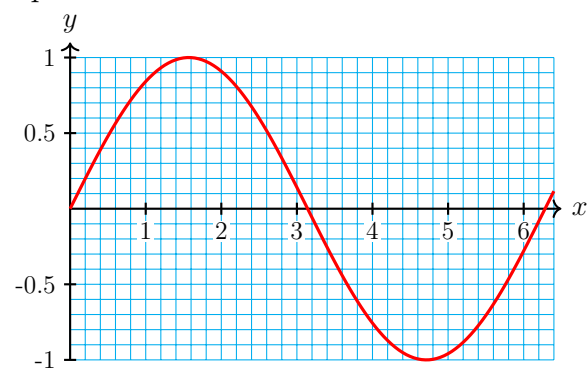
hp6-3-3ansb



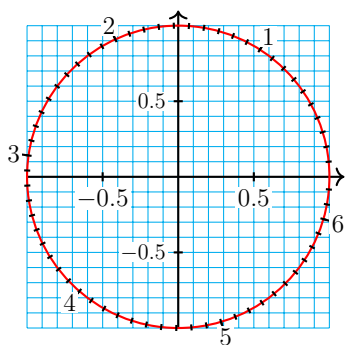




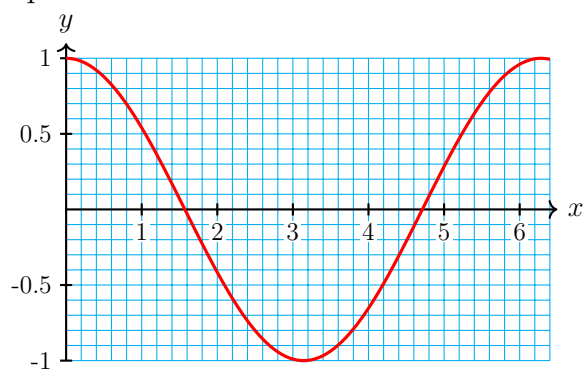
hp6-3-9 sine



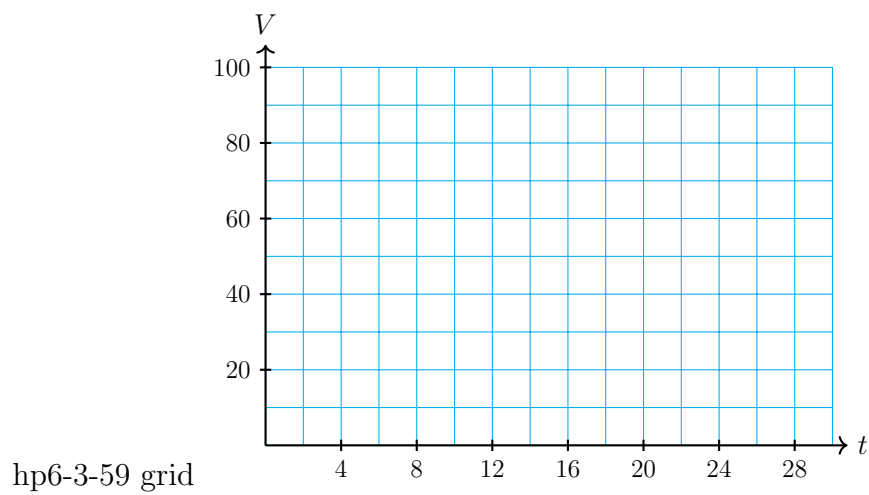
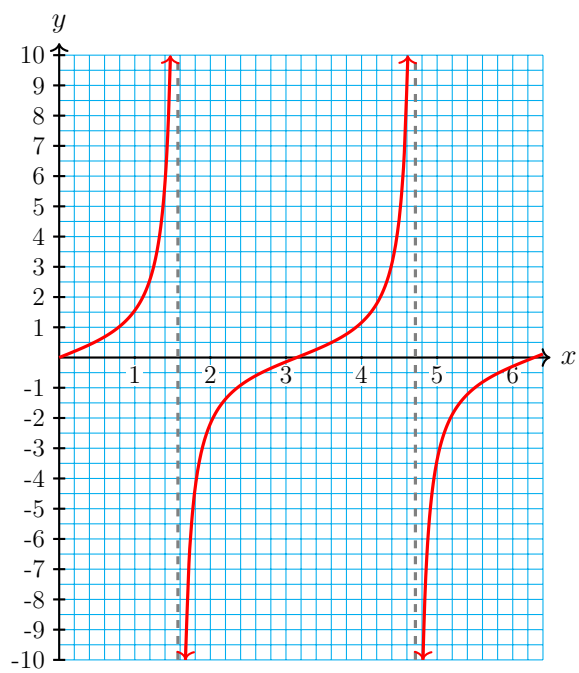
hp6-3-10 unit circle on grid



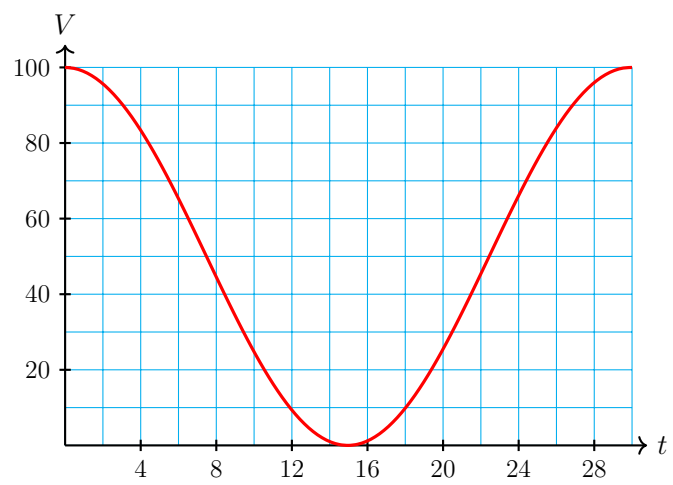
hp6-3-11 cosine



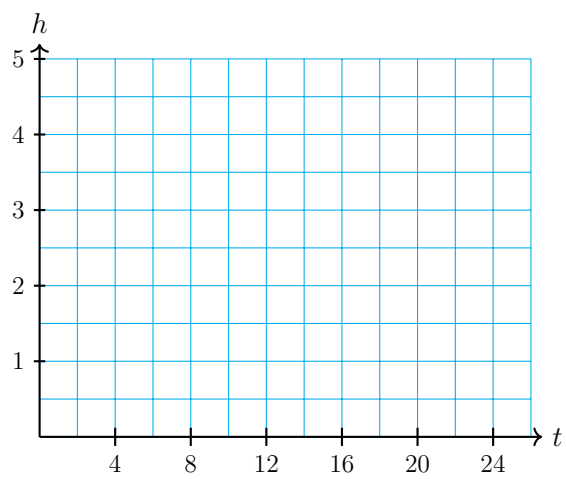
hp6-3-13 tan



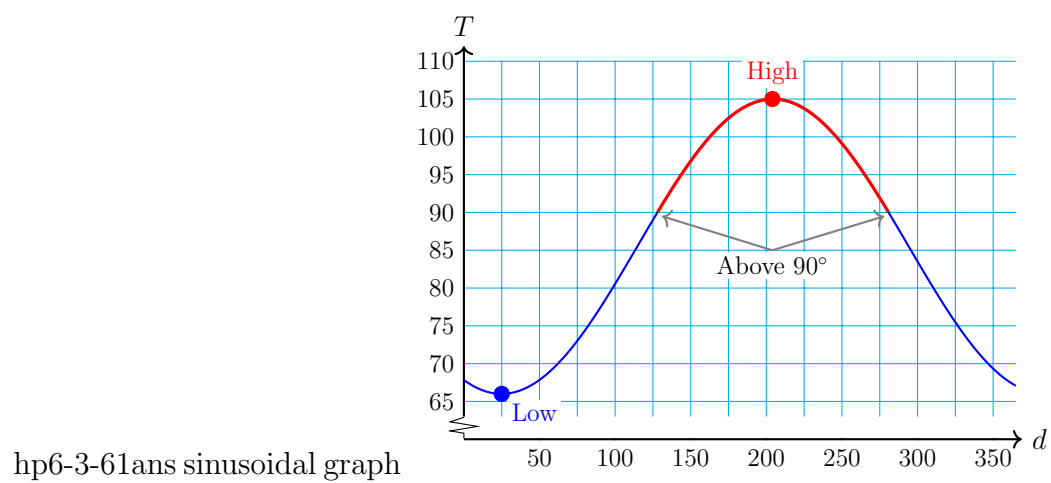
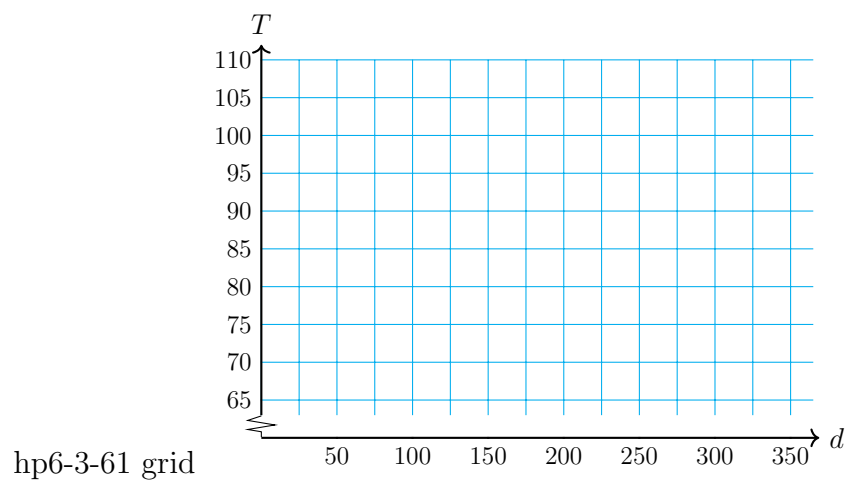
hp6-3-59 grid

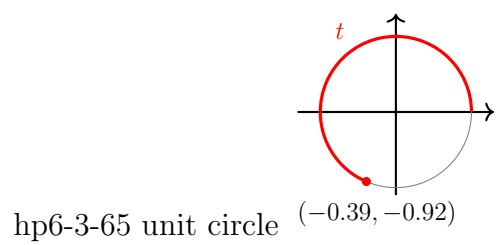
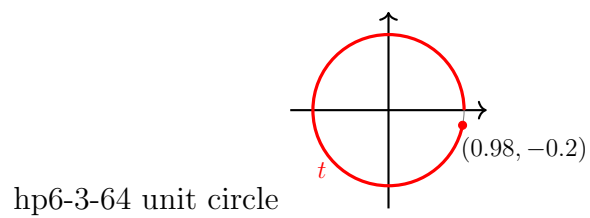
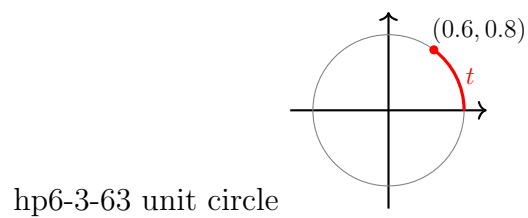
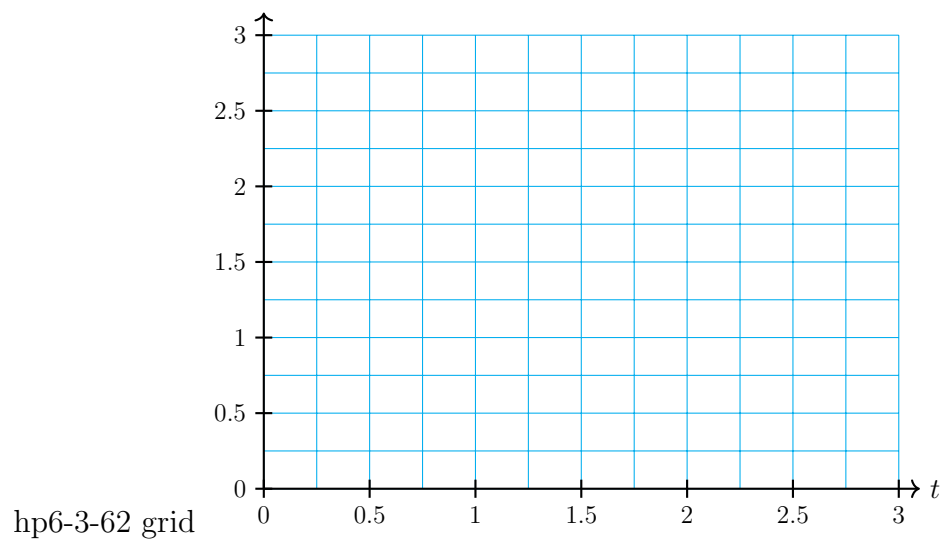


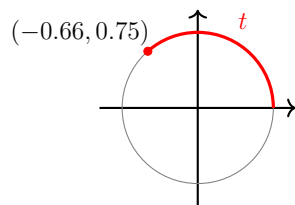
hp6-3-59ans sinusoidal graph



hp6-3-60 grid

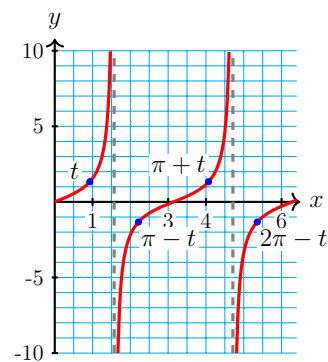
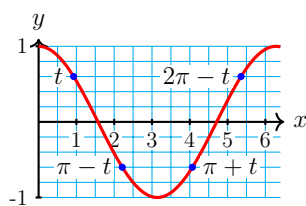
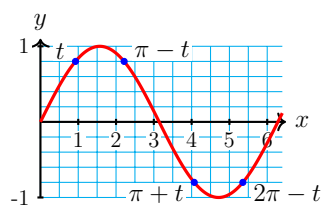




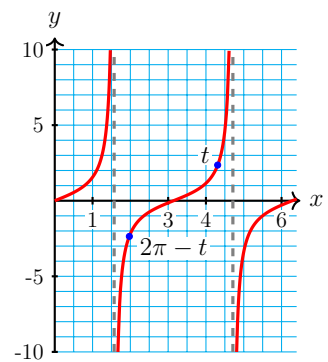
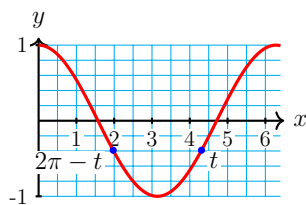
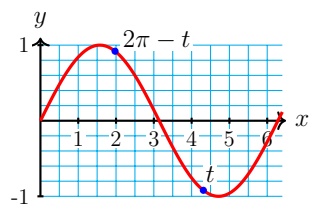


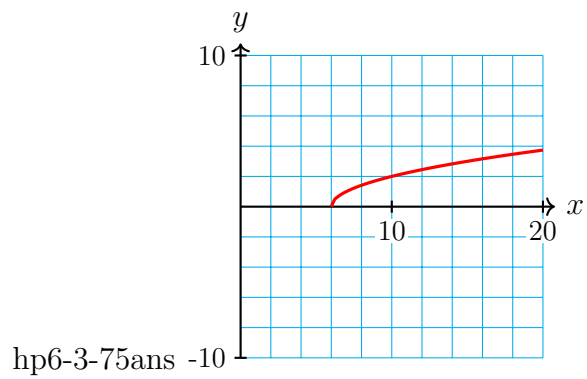
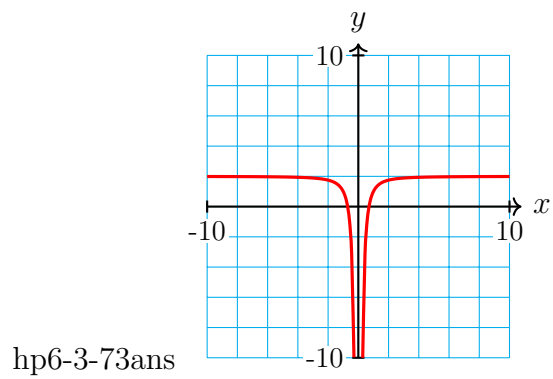
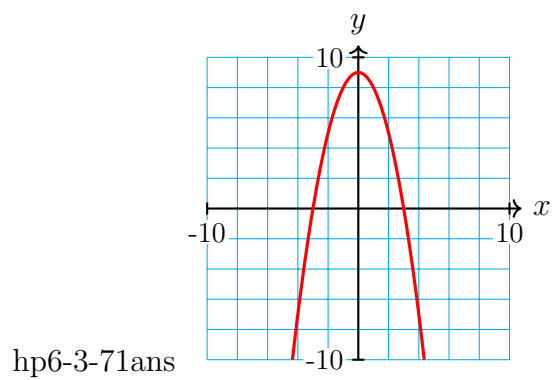
hp6-3-66 unit circle

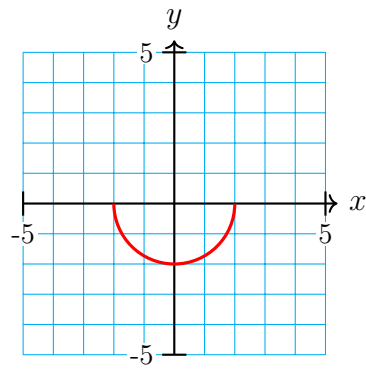
hp6-3-67ans labeled trig graphs



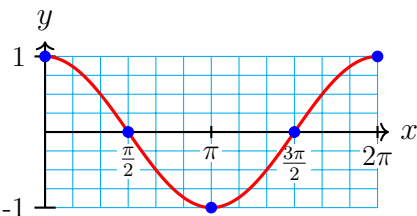
hp6-3-69ans labeled trig graphs





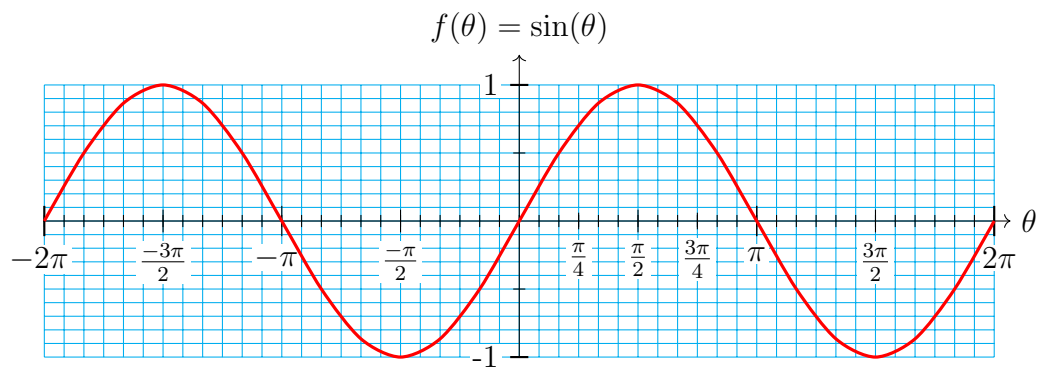


hp6-3-77ans

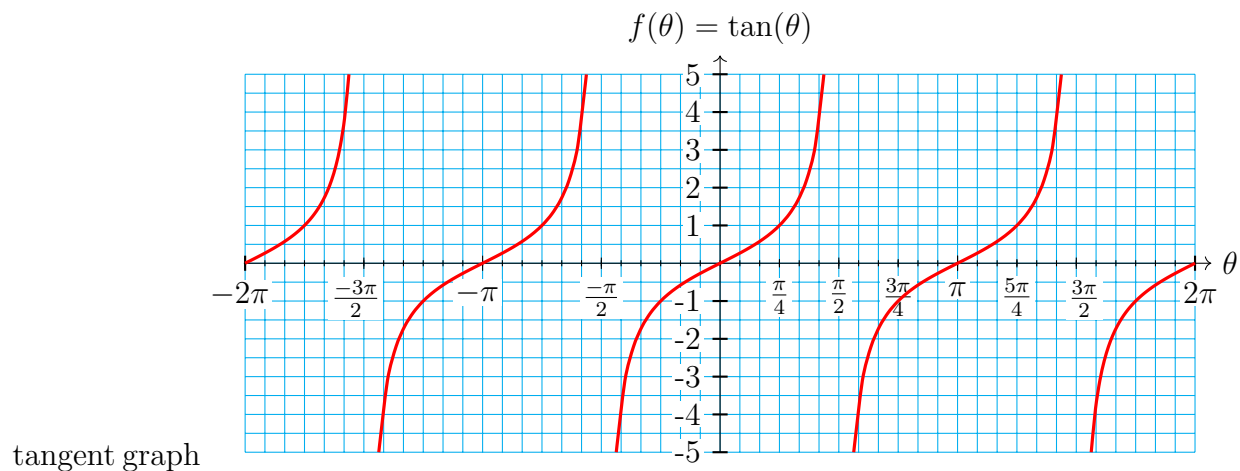
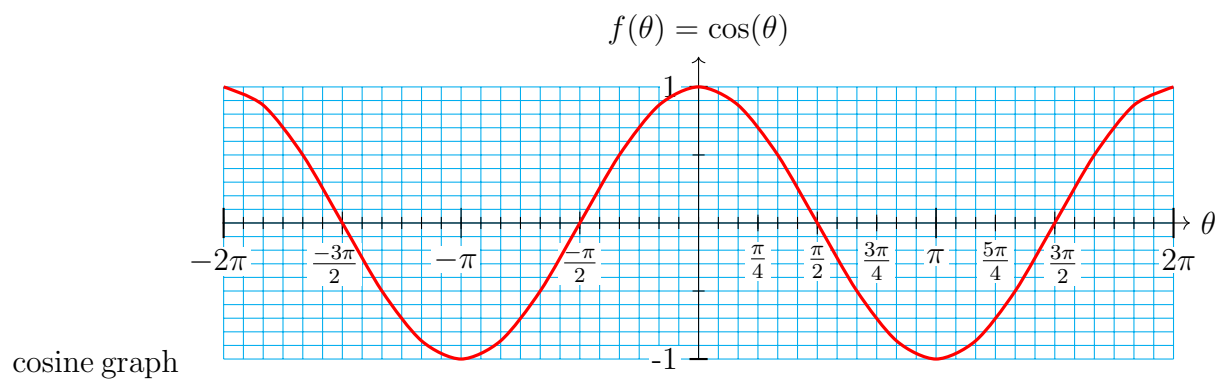


hp6-3-79ans

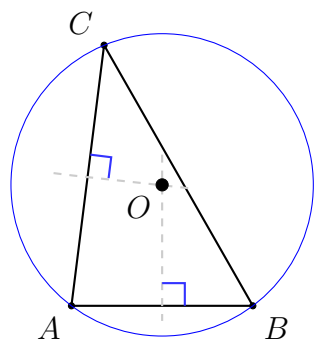
2 Stuff for later



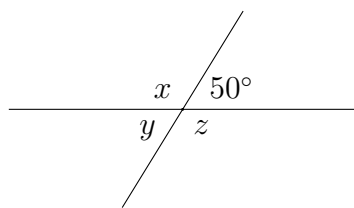
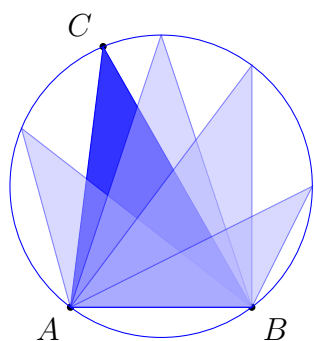
sine graph



part A: law of sines a circumscribing circle



part B: law of sines a circumscribing circle



Exercise not used?